



Miami County, KS  
Well: Windler A-3  
Lease Owner: AltaVista

Town Oilfield Service, Inc.  
(913) 837-8400

Commenced Spudding:  
11/11/2015

Core		
		487
3	Sand	490
8	Sand	498
7	Sandy Shale	505

# Short Cuts

## TANK CAPACITY

BBLs. (42 gal.) equals  $D^2 \times .14 \times h$

D equals diameter in feet.

h equals height in feet.

## BARRELS PER DAY

Multiply gals. per minute x 34.2

HP equals BPH x PSI x .0004

BPH - barrels per hour

PSI - pounds square inch

## TO FIGURE PUMP DRIVES

\* D - Diameter of Pump Sheave

\* d - Diameter of Engine Sheave

SPM - Strokes per minute

RPM - Engine Speed

R - Gear Box Ratio

\*C - Shaft Center Distance

D -  $RPM \times d$  over  $SPM \times R$

d -  $SPM \times R \times D$  over RPM

SPM -  $RPM \times D$  over  $R \times d$

R -  $RPM \times D$  over  $SPM \times d$

BELT LENGTH -  $2C + 1.57(D + d) + \frac{(D-d)^2}{4C}$

\* Need these to figure belt length

TO FIGURE AMPS:  $\frac{WATTS}{VOLTS} = AMPS$

746 WATTS equal 1 HP

# Log Book

Well No. A-3

Farm Windler

KS Miami  
(State) (County)

21 18 24  
(Section) (Township) (Range)

For Altavista Energy inc  
(Well Owner)

## Town Oilfield Services, Inc.

1207 N. 1st East  
Louisburg, KS 66053  
913-710-5400



Thickness of Strata	Formation	Total Depth	Remarks
0-18	soil-clay	18	
10	Lime	28	
12	Shale	40	
33	Lime	73	
6	Shale	79	
22	Lime	101	
4	Shale	105	
2	Lime	107	
4	Shale	111	
6	Lime	117	Heatha
155	Shale	272	
12	sand	284	no Oil
41	Shale	325	
4	Lime	329	
7	Shale	336	
1	Lime	337	
3	Shale	340	
3	Lime	343	
7	Shale	350	
8	Lime	358	
14	Shale	372	
3	Lime	375	
6	Shale	381	
7	sand	388	no Oil
26	Lime	414	
18	Shale	432	
6	Lime	438	







REMIT TO  
 Consolidated Oil Well Services, LLC  
 Dept:970  
 P.O.Box 4346  
 Houston, TX 77210-4346

MAIN OFFICE

P.O.Box884  
 Chanute, KS 66720  
 620/431-9210, 1-800/467-8676  
 Fax 620/431-0012

Invoice Invoice# 806392

Invoice Date: 11/18/15 Terms: Net 30 Page 1

ALTAVISTA ENERGY INC  
 4595 K-33 HWY, PO BOX 128  
 WELLSVILLE KS 66092  
 USA  
 7858834057  
 windler #a-3

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	46.000	810.00
CE0002	Equipment Mileage Charge - Heavy Equipment	1.000	107.2500	46.000	57.92
CE0711	Minimum Cement Delivery Charge	0.500	660.0000	46.000	178.20
WE0853	80 BBL Vacuum Truck (Cement Services)	1.000	100.0000	46.000	54.00
CC5840	Poz-Blend I A (50:50)	74.000	13.5000	46.000	539.46
CC5965	Bentonite	225.000	0.3000	46.000	36.45
CC5326	Sodium Chloride, Salt	143.000	0.7500	46.000	57.92
CC6077	Kolseal	370.000	0.5000	46.000	99.90
CP8176	2 7/8" Top Rubber Plug	1.000	45.0000	46.000	24.30

Subtotal 3,441.00  
 Discounted Amount 1,582.86  
 SubTotal After Discount 1,858.14

Amount Due 3,553.30 If paid after 12/18/15

Tax: 60.64  
 Total: 1,918.79





**CONSOLIDATED**  
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

4787  
Invoice # 806372 4701

TICKET NUMBER 49903  
LOCATION Chanute KS  
FOREMAN Fred Maden

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
11-12-15	3244	Windler # A-3	NW 21	18	24	M1
CUSTOMER Alta Vista Energy			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS P.O. Box 128			712 / Fred Maden			
CITY STATE ZIP CODE Wellsville KS 66092			495 / Harbor			
			369 / Jim Grech			
			510 / Ala Maden			

JOB TYPE log string HOLE SIZE 5 7/8 HOLE DEPTH 560 CASING SIZE & WEIGHT 2 7/8 EUE  
CASING DEPTH 548.0 DRILL PIPE Baffle tubing TUBING 5 1/8 OTHER \_\_\_\_\_  
SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 30' + Plug  
DISPLACEMENT 3 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 4 BPM

REMARKS: Hold safety mixing. Establish circulation. Mix + Pump 100#  
Gel Flush. Mix + Pump 5ks Poz Blend I A Cement 2% Gel  
5% Salt 5# Kal Seal (sk. Cement to surface. Flush pump +  
lines clean. Displace 2 1/2" Rubber plug to Baffle in casing.  
Pressure to 800# PSI. Release pressure to set float valve.  
Shut in casing.

TOS Drilling - (wss) Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	495	1500.00
CE0002	1/2 of 30mi	MILEAGE	495	107.25
CE074	1/2 Minimum	Tax Miles Delivery	510	330.00
WE0853	1 hr	80 BBL Vac Truck	369	100.00
		Sub Total		2037.25
		Less 46%		- 937.14
				1100.11
CC5840	74SKS	Poz Blend I A Cement	979.00	72543.00
CC5965	225#	Bentonite Gel	67.50	15187.50
CC5326	143#	Sodium Chloride	107.25	15336.75
CC6077	370#	Kal Seal	185.00	68450.00
CP81768	1	2 1/2" Rubber Plug	45.00	45.00
		Sub Total		140375.25
		Less 46%		- 64572.33
				75802.92
		8%	SALES TAX	6064.23
			ESTIMATED TOTAL	191879.15

AUTHORIZATION \_\_\_\_\_ TITLE \_\_\_\_\_ DATE 11-12-15  
Ravin 3737

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.